

## Material Safety Data Sheet

Science Stuff, Inc.  
1104 Newport Ave  
Austin, TX 78753

Phone (512) 837-6020  
Chemtrec 800-424-9300  
24 Hour Emergency Assistance

Section 1 Identification					
Product Number:	C1513				
Product Name:	Chromium Trioxide (Chromic Acid) Laboratory Grade	Health:	4		
		Flammability	0		
		Reactivity	3		
Trade/Chemical Synonyms		Hazard Rating:			
		Least Slight Moderate High Extreme			
Formula:	CrO <sup>3</sup>	0	1	2	3 4
RTECS:	GB6650000	NA = Not Applicable NE = Not Established			
C.A.S.	CAS# 1308-38-9				
Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/>	Chromium Trioxide (Chromic Acid)	CAS# 1308-38-9	100%	W/W	ACGIH TWA 0.5 mg (Cr)/mf
Section 3 Hazard Identification (Also see section 11)					
Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.					
Section 4 First Aid Measures					
Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.					
FIRST AID: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen					
Section 6 Accidental Release Measures					
Wear Protective equipment. Sweep up, place in a bag and hold for waste disposal.					
Section 7 Handling and Storage					
Store in a cool, dry, well-ventilated place away from combustible materials. Wash thoroughly after handling.					
Section 8 Exposure Controls & Personal Protection					
Respiratory Protection: NIOSH/MSHA-approved respirator					
Mechanical: <input checked="" type="checkbox"/> Hand Wear appropriate gloves to Protection: prevent skin exposure					
Ventilation: <input type="checkbox"/> Local Exhaust: <input type="checkbox"/> Eye Goggles and Face Shield Protection:					
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure					
Section 9 Physical and Chemical Properties					
Melting Point: 385°F		Specific Gravity 2.7			
Boiling Point: 482°F		Percent Volatile by Volume: 0			
Vapor Pressure: N/A		Evaporation Rate: N/A			
Vapor Density: N/A		Evaporation Standard: Not Applicable			
Solubility in Water: Soluble		Auto ignition Temperature: N/A			
Appearance and Odor: Odorless red to dark purple crystals or powder		Lower Flamm. Limit in Air: N/A			
Flash Point: N/A		Upper Flamm. Limit in Air: N/A			
Section 10 Stability and Reactivity Information					
Stability: Stable Conditions to Avoid: Avoid heat					
Materials to Avoid: Metals, organics, phosphorus, hydrogen sulfide, ammonia, arsenic, sodium, sulfur					
Hazardous Decomposition Products: Nature of decomposition products is not known					

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.		Hazardous Polymerization: Will Not Occur	
Section 5 Fire Fighting Measures		Condition to Avoid: None known	
Fire Extinguisher Any means suitable for extinguishing surrounding fire Type:		Section 11 Additional Information	
Fire/Explosion Hazards:	Thermal decomposition produces highly toxic fumes. Strong oxidizer. Contact with combustible materials may cause fire.	Oxidizer! Toxic! Known Human Carcinogen! Conditions aggravated: Persons with preexisting skin, eye or respiratory disorders or chromium sensitization may be more susceptible. Acute: May be fatal by ingestion, inhalation or skin absorption. Severe irritation or burns to skin, eyes, mucous membranes, respiratory and GI tracts. Chronic: Sensitizer. Carcinogen. Respiratory tract tumors. Cyanosis. Damage to eyes, skin, lungs, kidneys. May alter genetic material. Target organs: Lungs, kidneys.	
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing. Use water spray to cool exposed containers.	DOT Classification: Chromium Trioxide, Anhydrous, 5.1, 8, UN1463, PG II	
		DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.	
		Revision No: 0	Date Entered: 9/1/2006      Approved by: WPF

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information, whether originating from Science Stuff, Inc. or from an alternate source. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material may be safely handled.